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RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/833,740

TIME: 14:16:05

Input Set : A:\16777463.app

Output Set: N:\CRF3\11012001\I833740.raw

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3 <110> APPLICANT: DRUCKER, DANIEL J.
4 LOVSHIN, JULIE
6 <120> TITLE OF INVENTION: GLP-2 RECEPTOR GENE PROMOTER AND USES THEREOF
8 <130> FILE REFERENCE: 016777/0463
10 <140> CURRENT APPLICATION NUMBER: 09/833,740
11 <141> CURRENT FILING DATE: 2001-04-13
13 <150> PRIOR APPLICATION NUMBER: 60/196,909
14 <151> PRIOR FILING DATE: 2000-04-13
16 <150> PRIOR APPLICATION NUMBER: 60/265,310
17 <151> PRIOR FILING DATE: 2001-02-01
19 <160> NUMBER OF SEQ ID NOS: 18
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35 ttcaagaagc aagatggaat atttgtacaa aacagggtgct ttctcccca ccatgcgacc 180
36 cgggagctcc actgatatgg acagaatagc ttacagcta cattcaaaac acacacacac 240
37 acacacacac acacacacac acacacacac gttttcttcc ctccctccac 300
38 ttcctcccat tctctgtggt cccaaagaga tgaccatatt gactgtagaa atcacaccac 360
39 cataaaagcc catctgggag ccatttccag actgatcttt ttatcattaa ggtttgaatt 420
40 cttgccacgt gtgggtttta aggtttttat ggatttttat ctagcggcac tcacctgctt 480
41 ccctgtgaat gttcagaatt cactgggctt ggtagcctaa tggaaatgat ctatggtttg 540
42 acttaaagt gaaaggaaaa aaaagaagg ggaaaaggag ggaggagaa agaggggaag 600
43 ggaaaactgc cttttatgcc tattgtact ctaacatttt gtctctcacc ttccacttgg 660
44 ttcttcaatg gaaagactgg atagaaagct gggagccagc cagggatagg aggagtgtgt 720
45 gtgtgtgtgg ggggggtgg gcagcaagca gagccttaga gacagagaag agcctgctag 780
46 agaycatgag ctttctttga gaccctagt gctaacagga atagttccta accaggtagc 840
47 tgtggtcacg tgactcggct ggaagscctg gctttgtctt tttgcttgc gtgcagcctt 900
48 gaacaaacac cctggcctct ttgaaccca ctatttctca gccctcagat gaagaagtaa 960
49 tggtagcctt gaggatactg atgggttcaa gtgaactagg gcagagggtg gaagggtttg 1020
50 taaccataaa ctgaagtggg gtgttggtta gtaagtagcc atgaatacca taaaaatc 1080
51 tgtcagggtg ccagagcatc actgtgttca gaacacaacg gccactcag aacacgcgga 1140
52 caattgaaag gcaccaacct ccgtgcttcc taccggttgt tttgttaccg tgtaaacgca 1200
53 actcaactct cggcactgaa caggcttttg ctgcagacct ggggtctgga ggtgtgtgtc 1260
54 ctgagacagg aaaactcatc ttgttactat ggcatagtag taaccacgga gctctgagat 1320
55 agccctgagc tgggtgccgt tagaaaagt ttgtgcttta gaaagaaatc gtggcttaaa 1380
56 agaagcctac ctggcatggg ggcctatcct ctccagccat ccgaatctca atctggctcgt 1440
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58 tgagggaagtc ccaggcagcg tagactctt ggggtaggt ctgggaaaaa tctcccaaga 1560
59 ttttaggagg ggcaggcggg ggatgagaaa cttggagatt cggtagatcg ctgtagagca 1620

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60 actcagacag tcggcgccct gaagaggact tgtgcaaaca cttcctctct ggacaaggag 1680
61 gaatgcagga ggccaccgcc tgcagtacat cttggagtgt tggagggatg tgcctgcact 1740
62 tgtgaaaggg cgccagaagg acgaggcccc aaccaagccc ggcagtgcc agtagatgca 1800
63 gagagcgtcc ctgccccggg cgcacagtwg ggctccctgc ggcccagggg cctgagtctc 1860
64 tccackccca cgggatgcgt cggctctggg gccctgggac gcccttcctc tccctgcttc 1920
65 tgctggtttc catcaagcaa gtaagaacag atttttattc ctcatctgctc ttgttaatat 1980
66 tatcagttgt gcatgttttc tgagtgtaga agcaatttag gccccgtgta ggcaatttgg 2040
67 gtaagaataa aaccatatta agaaaatgag gctcaaccac aaccccagta gcattctgct 2100
68 cactgttcat attttggctg atttttaaaa aaattctctt ttctgtgcat tattttacac 2160
69 agccgaaatt                                     2170
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73 <211> LENGTH: 341
74 <212> TYPE: DNA
75 <213> ORGANISM: Mus sp.
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79 gtgttgagg gatgtgcctg cacttgtgaa agggcgccag aaggacgagg ccccaaccaa 120
80 gcccgccagt gccagtaga tgcagagagc gtccctgccc cgggcgcaca gtwgggctcc 180
81 ctgcgggcca ggggcctgag tctctccack cccacgggat gcgtcggtc tggggccctg 240
82 ggacgccctt cctctccctg cttctgctgg ttccatcaa gcaagtaaga acagattttt 300
83 attcctcatt cgtcttgta atattatcag ttgtgcatgt t                                     341
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87 <211> LENGTH: 350
88 <212> TYPE: DNA
89 <213> ORGANISM: Rattus sp.
91 <400> SEQUENCE: 3
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93 gtgttgagg gatgtgcctg cacttgtgaa cgggcgccag gagaatgagg ccccaaccaa 120
94 gcccgccagt gccagtaga tgcagagagg caccgtgcc ccgagtgagg gcacagccag 180
95 tgggcatccc tgaggccag ggcccgttc ctctccactc ccaacagatg cgtctgctgt 240
96 gggggccctg gaggcccttc ctgcctgctc ttctgtggt ttccatcaag caagttacag 300
97 gatcgtcct caaggagaca actcagaagt gcgctaatta taaggagaag                                     350
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104 <213> ORGANISM: Rattus sp.
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108 <222> LOCATION: (105)..(230)
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113 gtgttgagg gatgtgcctg cacttgtgaa cgggcgccag gaga atg agg ccc caa 116
114                                     Met Arg Pro Gln
115                                     1
117 cca agc ccg gca gtg ccc agt aga tgc aga gag gca ccc gtg ccc cga 164
118 Pro Ser Pro Ala Val Pro Ser Arg Cys Arg Glu Ala Pro Val Pro Arg
119 5 10 15 20
121 gtg agg gca cag cca gtg ggc atc cct gag gcc cag ggg ccc gtt cct 212
122 Val Arg Ala Gln Pro Val Gly Ile Pro Glu Ala Gln Gly Pro Val Pro

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123          25          30          35          230
125 ctc cac tcc caa cag atg
126 Leu His Ser Gln Gln Met
127          40
130 <210> SEQ ID NO: 5
131 <211> LENGTH: 42
132 <212> TYPE: PRT
133 <213> ORGANISM: Rattus sp.
135 <400> SEQUENCE: 5
136 Met Arg Pro Gln Pro Ser Pro Ala Val Pro Ser Arg Cys Arg Glu Ala
137   1          5          10          15
139 Pro Val Pro Arg Val Arg Ala Gln Pro Val Gly Ile Pro Glu Ala Gln
140          20          25          30
142 Gly Pro Val Pro Leu His Ser Gln Gln Met
143          35          40
146 <210> SEQ ID NO: 6
147 <211> LENGTH: 493
148 <212> TYPE: DNA
149 <213> ORGANISM: Mus sp.
151 <220> FEATURE:
152 <221> NAME/KEY: CDS
153 <222> LOCATION: (401)..(466)
155 <400> SEQUENCE: 6
156 atgtcttgc ttttcttctg ggcttgctga ggaagtccca ggcagcgtag acgtcttggg 60
158 ggtaggtctg ggaaaaatct cccaagattt aggaggggca ggcgggggat gagaaacttg 120
160 gagattcggg agatcgctgt agagcaactc agacagtcgg cggcctgaag aggacttggt 180
162 caaacacttc ctctctggac aaggaggaat gcaggaggcc accgcctgca gtacatcttg 240
164 gagtgttgga gggatgtgcc tgcacttggt aaagggcgcc agaaggacga ggccccaacc 300
166 aagcccggca gtgccagta gatgcagaga gcgtccctgc cccggggcgca cagtwgggct 360
168 ccctgcggcc caggggctg agtctctcca ckccacggg atg cgt cgg ctc tgg 415
169                               Met Arg Arg Leu Trp
170                               1          5
172 ggc cct ggg acg ccc ttc ctc tcc ctg ctt ctg ctg gtt tcc atc aag 463
173 Gly Pro Gly Thr Pro Phe Leu Ser Leu Leu Leu Val Ser Ile Lys
174          10          15          20
176 caa gtaagaacag atttttattc ctcatcc 493
177 Gln
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 527
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 7
186 ccgccttggt ctttctctc agcctgtcaa ggaagtccca gaaagcacag ctgacttagg 60
187 gaagggtctg gaaaaatctc cctgcttttg ggggggcagg ggcgggggat gagccagggc 120
188 cgagaaggaa ctctgaagac tccgtagatt gctctagacc gcctcagaca ctctcggcgc 180
189 agcgtggaga ggatttggtc aaacatttcc tctgtggacc aagaggaatg caagaggagg 240
190 ctgcctgcgg tgcattcttg acggctagag agatgtaccc ctacttgta aggtgcacga 300
191 ggaagatgaa gctgggatcg agcagggcag ggcctgggag aggaagcgcg ggactcctgc 360
192 ctggcggtcca cgagctgccc atgggcatcc ctgccccctg ggggaccagt cctctctcct 420

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193 tccacaggaa gtgctctctc tgggcccctg ggaggccctt cctcactctg gtctgtctgg 480
194 tttccatcaa gcaagtaaga gcagttcatt attattatta ttatcag 527
197 <210> SEQ ID NO: 8
198 <211> LENGTH: 293
199 <212> TYPE: DNA
200 <213> ORGANISM: Rattus sp.
202 <400> SEQUENCE: 8
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204 gtgttgagg gatgtgcctg cacttgtgaa cgggcgccag gagaatgagg cccaaccaa 120
205 gcccggcagt gccagtaga tgcagagagg caccogtgcc ccgagtgagg gcacagccag 180
206 tgggcatccc tgaggcccag gggcccgttc ctctccactc ccaacagatg cgtctgtctg 240
207 ggggccctgg gaggcccttc ctgcacctgc ttctgtctgt ttccatcaag caa 293
210 <210> SEQ ID NO: 9
211 <211> LENGTH: 22
212 <212> TYPE: PRT
213 <213> ORGANISM: Mus sp.
215 <400> SEQUENCE: 9
216 Met Arg Arg Leu Trp Gly Pro Gly Thr Pro Phe Leu Ser Leu Leu Leu
217 1 5 10 15
219 Leu Val Ser Ile Lys Gln
220 20
223 <210> SEQ ID NO: 10
224 <211> LENGTH: 21
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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232 ttgtgaacgg ggcaggag a 21
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236 <211> LENGTH: 24
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
243 <400> SEQUENCE: 11
244 gatctcactc tttccagaa tctc 24
247 <210> SEQ ID NO: 12
248 <211> LENGTH: 21
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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256 ctgctggtt ccatcaagca a 21
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260 <211> LENGTH: 21
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence

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277 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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280 tccaccaccc tgttgctgta g 21
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284 <211> LENGTH: 22
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
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296 <211> LENGTH: 21
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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308 <211> LENGTH: 21
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
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321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
327 <400> SEQUENCE: 18
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/833,740

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